

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L8	1	kr-226442-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/18 09:00
L9	395	perfluorinated adj aliphatic	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/18 09:00
L10	750	fluorinated adj polyether	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/18 13:10
L11	18	9 and 10	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/18 09:18
L12	6	((("6306563") or ("6800424") or ("6555288"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/04/18 09:19
L13	15	("4609252" "4877717" "5024507" "5062680" "5136672" "5317082" "5396350" "5402514" "5428468" "5462700" "5481385" "5497445" "5572619" "5850498" "6002828").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/18 09:37
L14	15	("4609252" "4877717" "5024507" "5062680" "5136672" "5317082" "5396350" "5402514" "5428468" "5462700" "5481385" "5497445" "5572619" "5850498" "6002828").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/18 11:19
L15	2	WO-2004092105-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/18 11:20
L17	6	15 16	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/18 11:32
L19	315	KIM-TAE-K KIM-TAE-KYOON KIM-TAE-KYOUNG KIM-TAE-KYU KIM-TAE-KYUN KIM-TAE-KYUNG KIM-JI-H KIM-JI-HWAN KIM-JI-HWANG KIM-JI-HYANG KIM-JI-HYEOG KIM-JI-HYEON KIM-JI-HYUK KIM-JI-HYUN KIM-JI-HYUNG	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/18 11:34
L20	1	19 AND POLYETHER	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/18 11:34
L21	49	19 AND (FLUORINATE FLUORINE F)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/18 11:54
L22	21155	ethynylphenol phenylethynylphenol ethynyl	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/18 11:35
L23	145	DECAFLUOROBIPHENYL	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/18 11:35
L24	27335	PERFLUOROALKYL PERFLUOROETHYLENE	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/18 11:35

L25	47504	24 23 22	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/18 11:36
L26	2	19 AND 25	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/18 12:08
L27	8	((("5115082") or ("6323301") or ("5438142") or ("6002828") or ("5438142")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/04/18 11:47
L28	8	("5115082").URPN.	USPAT	OR	ON	2005/04/18 11:51
L29	2	("4272429" "4827054").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/18 11:53
L33	0	("2004/0127632").URPN.	USPAT	OR	ON	2005/04/18 12:06
L34	23	23 AND 24	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/18 12:08
L41	0	("6800424").URPN.	USPAT	OR	ON	2005/04/18 13:10
S1	750	fluorinated adj polyether	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/18 09:00
S2	21152	ethynylphenol phenylethynylphenol ethynyl	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/18 11:35
S3	18	S1 and S2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/15 18:34
S4	107	perfluoroethylene adj oxide	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/15 18:35
S5	1	S3 and S4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/15 18:35
S6	0	("2002/0057882").URPN.	USPAT	OR	ON	2005/04/15 18:36
S7	6	S3 not S5	USPAT	OR	ON	2005/04/15 18:36
S8	6	S3 not S5	USPAT	OR	ON	2005/04/15 18:36
S9	17	S3 not S5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/15 18:47
S10	4	((("20020115815") or ("6136929")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/04/15 18:47
S11	2	wo-9116369-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/18 08:54
S12	6	S10 S11	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/15 18:47

=> 'D HIS'

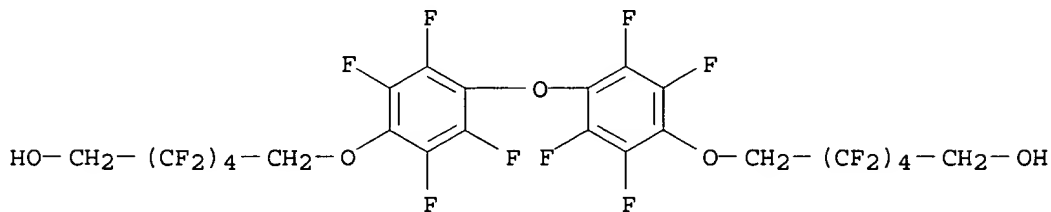
(FILE 'HOME' ENTERED AT 10:59:58 ON 18 APR 2005)

FILE 'REGISTRY' ENTERED AT 11:00:31 ON 18 APR 2005

L1 STRUCTURE UPLOADED
L2 QUE L1
L3 0 S L2 SSS SAM
L4 STRUCTURE UPLOADED
L5 QUE L4
L6 0 S L5 SSS SAM
L7 STRUCTURE UPLOADED
L8 QUE L7
L9 3 S L8 SSS SAM
L10 STRUCTURE UPLOADED
L11 QUE L10
L12 1194 S LL SSS SAM
L13 0 S L11 SSS SAM
L14 STRUCTURE UPLOADED
L15 QUE L14
L16 0 S L15 SSS SAM
L17 STRUCTURE UPLOADED
L18 QUE L17
L19 0 S L18 SSS SAM
L20 SCREEN 2069
L21 0 S L20 AND L1
L22 0 S L21 SSS SAM
L23 0 S L20 AND L4
L24 0 S L23 SSS SAM
L25 0 S L20 AND L7
L26 0 S L25 SSS SAM
L27 0 S L20 AND L10
L28 0 S L27 SSS SAM
L29 0 S L20 AND L14
L30 0 S L29 SSS SAM
L31 0 S L20 AND L17
L32 0 S L31 SSS SAM

=> D L9

L9 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2005 ACS on STN
RN 782485-68-1 REGISTRY
ED Entered STN: 17 Nov 2004
CN 1-Hexanol, 6,6'-[oxybis[(2,3,5,6-tetrafluoro-4,1-phenylene)oxy]]bis[2,2,3,3,4,4,5,5-octafluoro- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C24 H10 F24 O5
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

```

=> FIL HCAPLUS, CAPLUS, USPATFULL
COST IN U.S. DOLLARS
FULL ESTIMATED COST
SINCE FILE ENTRY 12.46
TOTAL SESSION 12.67

FILE 'HCAPLUS' ENTERED AT 11:09:01 ON 18 APR 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CAPLUS' ENTERED AT 11:09:01 ON 18 APR 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATFULL' ENTERED AT 11:09:01 ON 18 APR 2005
CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

=> D HIS

(FILE 'HOME' ENTERED AT 10:59:58 ON 18 APR 2005)

FILE 'REGISTRY' ENTERED AT 11:00:31 ON 18 APR 2005
L1 STRUCTURE UPLOADED
L2 QUE L1
L3 0 S L2 SSS SAM
L4 STRUCTURE UPLOADED
L5 QUE L4
L6 0 S L5 SSS SAM
L7 STRUCTURE UPLOADED
L8 QUE L7
L9 3 S L8 SSS SAM
L10 STRUCTURE UPLOADED
L11 QUE L10
L12 1194 S LL SSS SAM
L13 0 S L11 SSS SAM
L14 STRUCTURE UPLOADED
L15 QUE L14
L16 0 S L15 SSS SAM
L17 STRUCTURE UPLOADED
L18 QUE L17
L19 0 S L18 SSS SAM
L20 SCREEN 2069
L21 0 S L20 AND L1
L22 0 S L21 SSS SAM
L23 0 S L20 AND L4
L24 0 S L23 SSS SAM
L25 0 S L20 AND L7
L26 0 S L25 SSS SAM
L27 0 S L20 AND L10
L28 0 S L27 SSS SAM
L29 0 S L20 AND L14
L30 0 S L29 SSS SAM
L31 0 S L20 AND L17
L32 0 S L31 SSS SAM

FILE 'HCAPLUS, CAPLUS, USPATFULL' ENTERED AT 11:09:01 ON 18 APR 2005

=> S L3 OR L6 OR L9 OR L13 OR L16 OR L19
L33 7 L3 OR L6 OR L9 OR L13 OR L16 OR L19

=> S L22 OR L24 OR L26 OR L28 OR L30 OR L32
L34 0 L22 OR L24 OR L26 OR L28 OR L30 OR L32

=> DUPLICATES REMOVE L33
DUPLICATE PREFERENCE IS 'HCAPLUS, CAPLUS, USPATFULL'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):N

```

PROCESSING COMPLETED FOR L33
L35 5 DUPLICATE REMOVE L33 (2 DUPLICATES REMOVED)

=> D L35 1-5 IBIB HITSTR

L35 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 1

ACCESSION NUMBER: 2004:902325 HCAPLUS

DOCUMENT NUMBER: 141:380277

TITLE: UV-curable perfluorinated, multifunctional acrylate monomers, copolymer acrylates, and their synthesis for photonic devices

INVENTOR(S): Kim, Hwan-Kyu; Song, Bok-Joo; Bark, Jin-Kyu

PATENT ASSIGNEE(S): S. Korea

SOURCE: PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004092105	A1	200411028	WO 2004-KR244	20040207
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: KR 2003-24193 A 20030416
KR 2004-8113 A 20040206

OTHER SOURCE(S): MARPAT 141:380277

IT 782485-60-3P 782485-68-1P

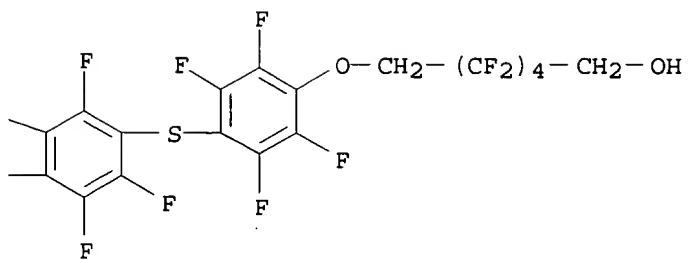
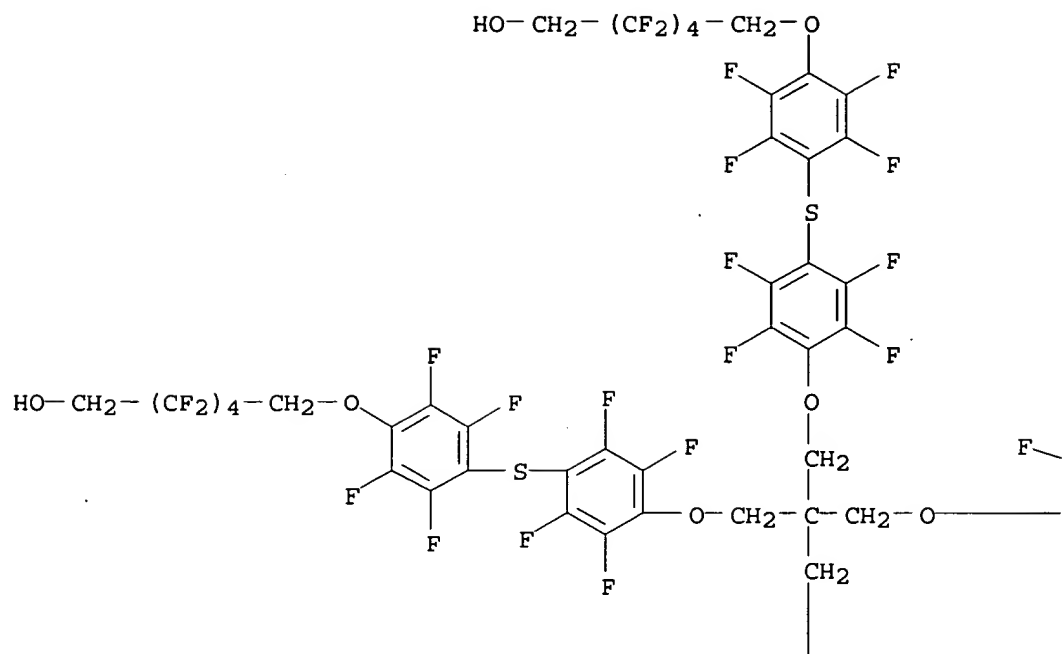
RL: IMF (Industrial manufacture); PREP (Preparation)

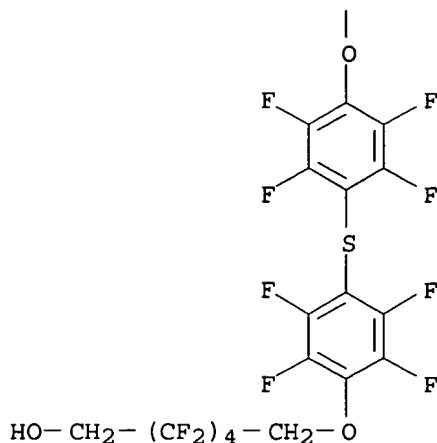
(UV-curable perfluorinated, multifunctional acrylate polymers for low loss optical waveguides)

RN 782485-60-3 HCAPLUS

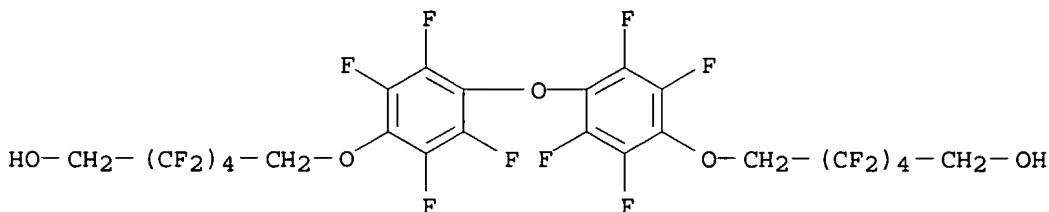
CN 1-Hexanol, 6,6'-[[2,2-bis[[2,3,5,6-tetrafluoro-4-[[2,3,5,6-tetrafluoro-4-[[2,2,3,3,4,4,5,5-octafluoro-6-hydroxyhexyl)oxy]phenyl]thio]phenoxy]methyl]-1,3-propanediyl]bis[oxy(2,3,5,6-tetrafluoro-4,1-phenylene)thio(2,3,5,6-tetrafluoro-4,1-phenylene)oxy]]bis[2,2,3,3,4,4,5,5-octafluoro- (9CI) (CA INDEX NAME)

npa





RN 782485-68-1 HCAPLUS
 CN 1-Hexanol, 6,6'-[oxybis[(2,3,5,6-tetrafluoro-4,1-phenylene)oxy]]bis[2,2,3,3,4,4,5,5-octafluoro- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L35 ANSWER 2 OF 5 USPATFULL on STN
 ACCESSION NUMBER: 2003:109171 USPATFULL
 TITLE: Polarizable amines and polyimides for optical alignment of liquid crystals
 INVENTOR(S): Gibbons, Wayne M., Bear, DE, United States
 Shannon, Paul J., Exton, PA, United States
 Zheng, Hanxing, Wilmington, DE, United States
 PATENT ASSIGNEE(S): Elsicon, Inc., Newark, DE, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6552161	B1	20030422
APPLICATION INFO.:	US 2000-536423		20000328 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-80883, filed on 18 May 1998, now patented, Pat. No. US 6043337 Continuation-in-part of Ser. No. US 1997-859404, filed on 20 May 1997, now patented, Pat. No. US 6084057		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Barts, Samuel		
LEGAL REPRESENTATIVE:	Huntley & Associates		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 3 Drawing Page(s)		
LINE COUNT:	1190		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 216691-81-5DP, reaction products with 4-pentadecafluoromethoxyaniline
 (preparation and use in preparing optical alignment layers for liquid-crystal display devices)

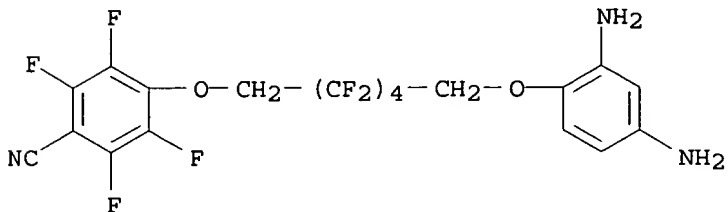
RN 216691-81-5 USPATFULL

CN. Benzonitrile, 4-[[[6-(2,4-diaminophenoxy)-2,2,3,3,4,4,5,5-octafluorohexyl]oxy]-2,3,5,6-tetrafluoro-, polymer with bis(4-aminophenyl)methanone, 5,5'-carbonylbis[1,3-isobenzofurandione], 3a,4,5,7a-tetrahydro-7-methyl-5-(tetrahydro-2,5-dioxo-3-furanyl)-1,3-isobenzofurandione and 2-(trifluoromethyl)-1,4-benzenediamine (9CI) (CA INDEX NAME)

CM 1

CRN 216691-45-1

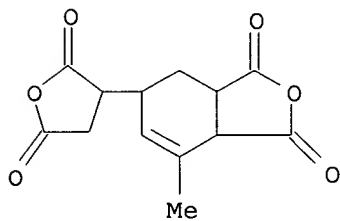
CMF C19 H11 F12 N3 O2



CM 2

CRN 73003-90-4

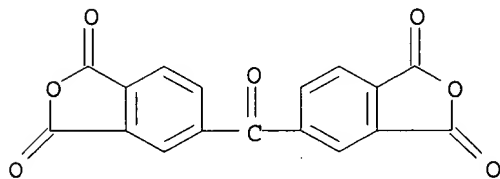
CMF C13 H12 O6



CM 3

CRN 2421-28-5

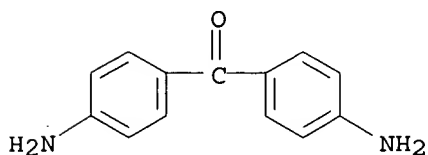
CMF C17 H6 O7



CM 4

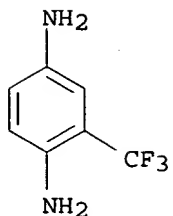
CRN 611-98-3

CMF C13 H12 N2 O



CM 5

CRN 364-13-6
CMF C7 H7 F3 N2



L35 ANSWER 3 OF 5 USPATFULL on STN

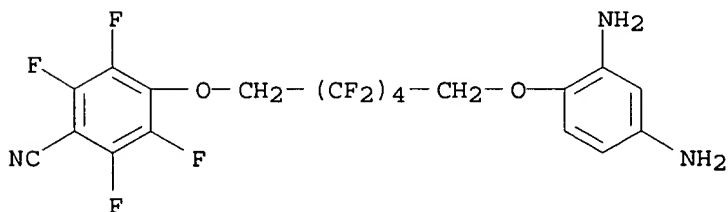
ACCESSION NUMBER: 2002:239140 USPATFULL
TITLE: Polyimides for optical alignment of liquid crystals
INVENTOR(S): Gibbons, Wayne M., Bear, DE, United States
Shannon, Paul J., Exton, PA, United States
Zheng, Hanxing, Wilmington, DE, United States
PATENT ASSIGNEE(S): Elsicon, Inc., Newark, DE, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6451960	B1	20020917
APPLICATION INFO.:	US 2000-498214		20000204 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-859404, filed on 20 May 1997, now patented, Pat. No. US 6084057		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Hampton-Hightower, P.		
LEGAL REPRESENTATIVE:	Huntley & Associates		
NUMBER OF CLAIMS:	4		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 1 Drawing Page(s)		
LINE COUNT:	866		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **216691-81-5DP**, reaction products with 4-pentadecafluoromethoxyaniline
(preparation and use in preparing optical alignment layers for liquid-crystal display devices)
RN 216691-81-5 USPATFULL
CN Benzonitrile, 4-[[6-(2,4-diaminophenoxy)-2,2,3,3,4,4,5,5-octafluorohexyl]oxy]-2,3,5,6-tetrafluoro-, polymer with bis(4-aminophenyl)methanone, 5,5'-carbonylbis[1,3-isobenzofurandione], 3a,4,5,7a-tetrahydro-7-methyl-5-(tetrahydro-2,5-dioxo-3-furanyl)-1,3-isobenzofurandione and 2-(trifluoromethyl)-1,4-benzenediamine (9CI) (CA INDEX NAME)

CM 1

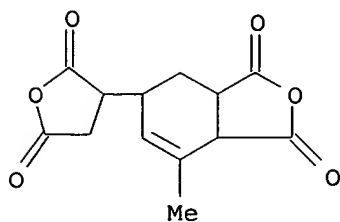
CRN 216691-45-1
CMF C19 H11 F12 N3 O2



CM 2

CRN 73003-90-4

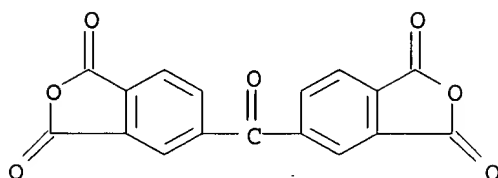
CMF C13 H12 O6



CM 3

CRN 2421-28-5

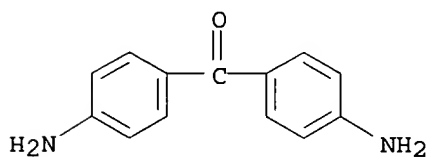
CMF C17 H6 O7



CM 4

CRN 611-98-3

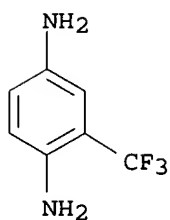
CMF C13 H12 N2 O



CM 5

CRN 364-13-6

CMF C7 H7 F3 N2



L35 ANSWER 4 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2000:84394 USPATFULL

TITLE: Polarizable amines and polyimides for optical alignment

INVENTOR(S): Gibbons, Wayne M., Bear, DE, United States
Shannon, Paul J., Exton, PA, United States
Zheng, Hanxing, Wilmington, DE, United States
PATENT ASSIGNEE(S): Elsicon, Inc., Wilmington, DE, United States (U.S. corporation)

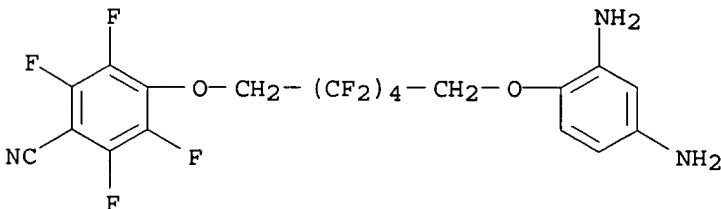
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

RN 216691-81-5 USPATFULL

CM 1

CRN 216691-45-1

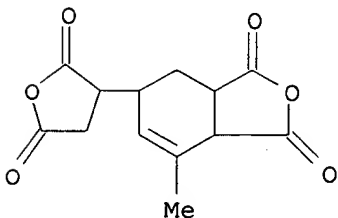
CMF C19 H11 F12 N3 O2



CM 2

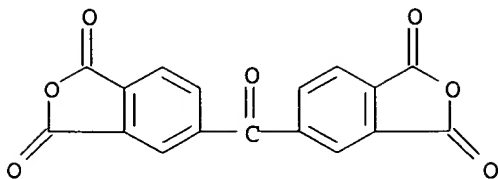
CRN 73003-90-4

CMF C13 H12 O6



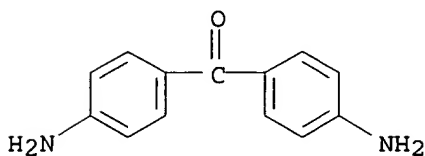
CM 3

CRN 2421-28-5
CMF C17 H6 O7



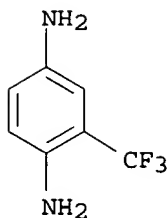
CM 4

CRN 611-98-3
CMF C13 H12 N2 O



CM 5

CRN 364-13-6
CMF C7 H7 F3 N2



L35 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 2

ACCESSION NUMBER: 1998:790754 HCAPLUS

DOCUMENT NUMBER: 130:45428

TITLE: Polarizable amines and polyimides for optical alignment of liquid crystals

INVENTOR(S): Gibbons, Wayne M.; Shannon, Paul J.; Zheng, Hanxing

PATENT ASSIGNEE(S): Alliant Techsystems Inc., USA

SOURCE: PCT Int. Appl., 45 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
WO 9853361	A2	19981126	WO 1998-US10281	19980519
WO 9853361	A3	19990514		
W: JP, KR				
US 6084057	A	20000704	US 1997-859404	19970520
JP 2002515067	T2	20020521	JP 1998-550556	19980519
US 6451960	B1	20020917	US 2000-498214	20000204
PRIORITY APPLN. INFO.:			US 1997-859404	A 19970520

US 1998-80883
WO 1998-US10281

A 19980518
W 19980519

OTHER SOURCE(S): MARPAT 130:45428

IT 216691-81-5DP, reaction products with 4-pentadecafluoromethoxyaniline

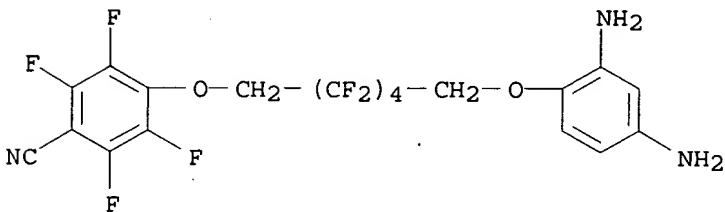
RL: DEV (Device component use); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (preparation and use in preparing optical alignment layers for liquid-crystal display devices)

RN 216691-81-5 HCAPLUS

CN Benzonitrile, 4-[[6-(2,4-diaminophenoxy)-2,2,3,3,4,4,5,5-octafluorohexyl]oxy]-2,3,5,6-tetrafluoro-, polymer with bis(4-aminophenyl)methanone, 5,5'-carbonylbis[1,3-isobenzofurandione], 3a,4,5,7a-tetrahydro-7-methyl-5-(tetrahydro-2,5-dioxo-3-furanyl)-1,3-isobenzofurandione and 2-(trifluoromethyl)-1,4-benzenediamine (9CI) (CA INDEX NAME)

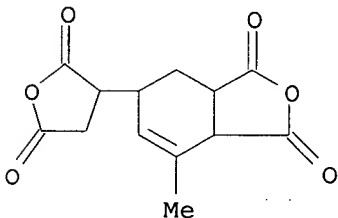
CM 1

CRN 216691-45-1
CMF C19 H11 F12 N3 O2



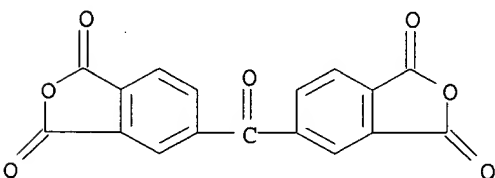
CM 2

CRN 73003-90-4
CMF C13 H12 O6



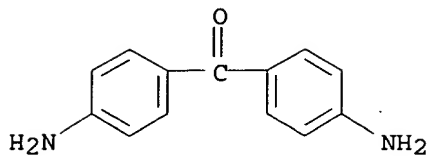
CM 3

CRN 2421-28-5
CMF C17 H6 O7



CM 4

CRN 611-98-3
CMF C13 H12 N2 O



CM 5

CRN 364-13-6
CMF C7 H7 F3 N2

